



# Texas A&M–Texarkana

MIS473 Internetworking LANs

Course Syllabus

Last Updated July 22, 2010

**Professor:** David Reavis, CCP, Ph.D.

**Office:** 219N

**Email:** david.reavis@tamut.edu

**Office Hours:**

Tuesday	Wednesday	Thursday
	9:00am – noon	9:00am – noon
1:00pm-3:00pm	1:00pm-3:00pm	

**Phone:** (903) 223-3190

**Course Number:** MIS473.01W

**Course Title:** Internetworking LANs

**Course Times:** Web-based

**Catalog Description:** This course should provide a conceptual framework for understanding the structure, function, and performance characteristics of computer networks. The development of network implementation strategies and planning guidelines are also addressed. Fundamentals that define and determine the construction, operation, and maintenance of computer networks are described. Security considerations that appear as networks growing in size and complexity are noted. Important issues and trends impacting the design of computer networks are revealed. Options for expediting effective information delivery are assessed. Applications that alter the way in which information is acquired, stored, and retrieved are explored.

**Prerequisites:** MIS 360.

**Text and Materials:**

Network+ Guide to Networks - 5<sup>th</sup> edition

By Tamara Dean

Course Technology – Cengage Learning

ISBN 978-1-423-90245-4

**Course Objectives:**

By the completion of the course, successful students should be able to:

- Explain computer network concepts and principles and recent advances in computer communications technology;
- Describe network components, architectures, protocols, and standards that expedite connectivity and interoperability;

- Describe the main features, configurations, transmission media, and modes of operation used in local area networks (LANs), metropolitan area networks (MANs), wide area networks (WANs), and emerging high speed networks;
- Develop strategies and techniques for effective network design, installation , and management to accommodate current and projected organizational networking requirements and expedite reliable information delivery;
- Designate critical success factors for network administration and maintenance in a complex multi-vendor environment;
- Understand the concept of Internetworking and the effect on network performance of interconnection methods;

**Tentative Class Schedule:**

Date	Ch	Topic
Week 1	1	Introduction to Networking
Week 2	2	Networking Standards
Week 3	3	Transmission Basics and Networking Media
Week 4	4 5	Introduction to TCP/IP Topologies and Ethernet Standards
Week 5	6	Network Hardware
Week 6	7	WANs and Remote Connectivity
Week 7		Mid-Term Exam
Week 8	8	Wireless Networking
Week 9	9	Network Operating Systems
Week 10	10	In-Depth TCP/IP Networking
Week 11	11	Voice and Video over IP
Week 12	12	Network Security
Week 13	13	Troubleshooting Network Problems
Week 14		Thanksgiving Observed
Week 15	14	Ensuring Integrity and Availability
Week 16		Final Exam

**Evaluation:**

Grades will be based on the timely completion of the following tasks:

- 40% - Written Assignments
- 10% - Electronic Quizzes
- 25% - Mid – Term Exam
- 25% - Final Exam

**Grading Scale:**

- A => 90
- B => 80
- C => 70
- D => 60
- F < 60

**Academic honesty**

Academic honesty is expected of students enrolled in this course. Cheating on examinations, unauthorized collaboration, falsification of research data, plagiarism, and copying or undocumented use of materials from any source, constitute academic dishonesty, and may be grounds for a grade of “F” in the course and/or disciplinary action. The student is responsible for reading and understanding the University Policy on Academic Integrity.

**Classroom Policies**

- No assignments or exams will be accepted after the due date.
- The instructor must be informed of any technical difficulties within 24 hours of the occurrence for any remedy.
- Students are responsible for checking the computer clock in Blackboard and making sure that their assignments are submitted by the due date and time as determined by Blackboard.
- All written assignments should contain the student’s name, class title, and the title of the assignment on each document submitted.
- The assignments and exams described in the course represent all possible credit for this class. No “extra credit” work is available.

**Student Technical Assistance:**

- Solutions to common problems and FAQ’s for your web-enhanced and online courses are found at this link:  
<http://www.tamut.edu/webcourses/index.php?pageid=37>
- If you cannot find your resolution there, you can send in a support request detailing your specific problem here:  
<http://www.tamut.edu/webcourses/gethelp2.php>
- Blackboard Helpdesk contacts:  
Office hours are: Monday - Friday, 8:00a to 5:00p  
Kevin Williams (main contact) 903-223-1356 [kevin.williams@tamut.edu](mailto:kevin.williams@tamut.edu)

Frank Miller (alternate) 903-223-3156 frank.miller@tamut.edu  
Nikki Thomson (alternate) 903-223-3083 nikki.thomson@tamut.edu

### **Proctored Exams**

Students may take exams in the University Testing Center or have their exams proctored by an approved testing center. If the student wishes to take exams at any location other than the University testing center, the following applies:

- It is the student's responsibility to submit a request to the instructor via email that tests be administered by a proctor by the end of the 2nd week of the semester.
- The student should also request that the proctor notify the instructor (via email) of their willingness and ability to proctor the exams for the student.
- Exams will be sent via email to the proctor prior to the exam due date.
- Exams must be completed and returned to the Instructor via U.S. mail, by the due date. Exams taken at proctored locations should be received at Texas A&M – Texarkana, by the due date. Any exam not received by the due date will be considered late, and therefore no credit will be awarded.

### **Plagiarism (Used with permission from Turnitin.com)**

Many people think of plagiarism as copying another's work, or borrowing someone else's original ideas. But terms like "copying" and "borrowing" can disguise the seriousness of the offense:

According to the Merriam-Webster Online Dictionary, to "plagiarize" means

- to steal and pass off (the ideas or words of another) as one's own
- to use (another's production) without crediting the source
- to commit literary theft
- to present as new and original an idea or product derived from an existing source.

In other words, plagiarism is an act of fraud. It involves both stealing someone else's work and lying about it afterward.

But can words and ideas really be *stolen*?

According to U.S. law, the answer is yes. The expression of original ideas is considered intellectual property, and is protected by copyright laws, just like original inventions. Almost all forms of expression fall under copyright protection as long as they are recorded in some way (such as a book or a computer file).

All of the following are considered plagiarism:

- turning in someone else's work as your own
- copying words or ideas from someone else without giving credit
- failing to put a quotation in quotation marks
- giving incorrect information about the source of a quotation
- changing words but copying the sentence structure of a source without giving credit

- copying so many words or ideas from a source that it makes up the majority of your work, whether you give credit or not.

Most cases of plagiarism can be avoided, however, by citing sources. Simply acknowledging that certain material has been borrowed, and providing your audience with the information necessary to find that source, is usually enough to prevent plagiarism. You can find more information about plagiarism from [http://www.turnitin.com/research\\_site/e\\_what\\_is\\_plagiarism.html](http://www.turnitin.com/research_site/e_what_is_plagiarism.html)

During this course, student papers will be randomly selected to be submitted to turnitin.com for evaluation. Turnitin.com is a tool that the University may use to determine whether or not any paper contains words or ideas from previously published materials. In the event that plagiarism is detected, a grade of zero will be given for the assignment.

**Accommodations** - Students with disabilities may request reasonable accommodations through the A&M-Texarkana Disability Services Office by calling 903-223-3062.

### **Program Goals for the BBA Program**

At the completion of the BBA program, students should have achieved these goals:

- Goal 1: Our graduates will be competent in the broad business disciplines that underlie the BBA degree.
- Goal 2: Our graduates will be competent in the discipline of their chosen major or concentration.
- Goal 3: Our graduates will demonstrate critical thinking skills.
- Goal 4: Our graduates will be able to communicate effectively in writing and in front of a group.
- Goal 5: Our graduates will be competent in the use of analytical tools via business software tools.
- Goal 6: Our graduates will be able to properly integrate business disciplines in developing holistic, multi-functional solutions.
- Goal 7: Our graduates will be able to correctly analyze financial statements.

### **E-Mail**

Upon application to Texas A&M University-Texarkana an individual will be assigned an A&M-Texarkana email account. This email account will be used to deliver official university correspondence. Each individual is responsible for information sent and received via the university email account and is expected to check the official A&M-Texarkana email account on a frequent and consistent basis. Faculty and students are required to utilize the university email account when communicating about coursework.